



Aerospace Division

The ASME Aerospace Division's objective is to promote the development and dissemination of the mechanical, materials and systems engineering aspects of aircraft, spacecraft and missile design and operation. This objective encompasses primary and secondary subsystems and components as well as the vehicles themselves and necessary life support equipment



TECHNICAL COMMITTEES

Adaptive Structures & Material Systems Committee

- The AERO Adaptive Structures & Material Systems Committee (ASMS) is concerned principally with "adaptive" structures. These structures consist of "smart" materials having geometric and/or other characteristics that can be remotely or automatically changed to respond to internal and external stimulation. Each year the committee participates in or co-sponsors four conferences. The committee also gives four awards—two best paper awards, an early career award, and a distinguished career award—to recognize significant contributions to the field.



Propulsion Technical Committee

- The AERO Propulsion Technical Committee addresses vehicle propulsion, including solid, liquid, and hybrid rocket engines. The committee is involved primarily in developing and presenting technical papers at the annual AIAA/ASME/SAE/ASEE Joint Propulsion Conference and also sponsors a Best Paper Award.

Structures & Materials Technical Committee

- The objective of the AERO Structures & Materials Technical Committee is to foster the continuing development of science and technology related to aerospace structures and materials, both within ASME and in collaboration with other professional societies. The committee supports dissemination of significant technical information through its publications and through organization of workshops and conferences (see Technical Conferences). It also recognizes meritorious contributions in the field of structures and materials through a Best Paper Award. The technical committee promotes interactions with other ASME division committees having similar interests in structures and materials

TECHNICAL CONFERENCES

ASME Conferences

- ASME Smart Materials, Adaptive Structures & Intelligent Systems Conference (SMASIS)
- ASME International Mechanical Engineering Congress & Exposition (IMECE)



ASME Co-sponsored Conferences

- SPIE International Symposium on Smart Structures & Materials (SPIE)
- AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference (SDM)
- International Conference on Adaptive Structures and Technologies (ICAST)
- AIAA/SAE/ASME/ASEE Joint Propulsion Conference and Exhibit

AWARDS

Society Level Awards

- Spirit of St. Louis Medal
- Daniel Guggenheim Medal

Division Level Awards

- Gary Anderson Early Achievement Award
- Adaptive Structures & Material Systems Best Paper Award in Mechanics & Material Systems
- Adaptive Structures & Material Systems Best Paper Award in Structural Dynamics & Control
- Adaptive Structures & Material Systems Prize
- Shuttle Flag Award
- ASME/Boeing Structures & Materials Award
- Propulsion Best Paper Award

<http://divisions.asme.org/Aerospce/>